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Benno van Dalen

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ed.

- 1 The Islamic section of this sourcebook on pre-modern, non-western mathematics (p. 515-675, authored by J. Lennart Berggren and organized by topic) includes English translations of passages from, among others: the *Treatise on Hindu Reckoning* and the *Compendium on Calculation by Completion and Reduction* by Muḥammad ibn Mūsā al-Ḥwārazmī (ca. 830); the correspondence on the centres of gravity of plane and solid bodies between Abū Sahl al-Kūhī and Abū Ishāq al-Šābī (2nd half of the 10th c.); al-Kūhī's treatise on the astrolabe; the *Book on the Geometrical Constructions Necessary to the Artisan* and *al-Majisṭī* by Abū al-Wafā' al-Būzjānī (940-997); the *Principles of Hindu Reckoning* by Kūšyār ibn Labbān al-Jīlī (ca. 1000); the *Book of the Determination of Coordinates of Localities* by Abū al-Rayḥān al-Bīrūnī (973-1055); the *Algebra* of 'Umar al-Ḥayyām (1048-1131); *The Reckoner's Key* by Ġiyāṭ al-Dīn Jamšīd al-Kāšī (Samarqand, d. 1429); and various treatises by Aḥmad ibn Muḥammad ibn 'Abd al-Jalīl al-Sijzī (late 10th c.) and Naṣīr al-Dīn al-Ṭūsī (1201-1274).
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Thèmes : 10. Histoire des Sciences et des Techniques

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